**One liner solution:**

**django limit the upload file size. Add the following settings will remove restriction.**

# allow upload big file

DATA\_UPLOAD\_MAX\_MEMORY\_SIZE = 1024 \* 1024 \* 200 # 200M

FILE\_UPLOAD\_MAX\_MEMORY\_SIZE = DATA\_UPLOAD\_MAX\_MEMORY\_SIZE

**Apache setting:**

**LimitRequestBody in apache for limiting the size. but can figure out to show error page if size is bigger from django.**

**Solution 1**

You can use this snippet formatChecker. What it does is

it lets you specify what file formats are allowed to be uploaded.

and lets you set the limit of file size of the file to be uploaded.

First. Create a file named formatChecker.py inside the app where the you have the model that has the FileField that you want to accept a certain file type.

**This is your formatChecker.py:**

from django.db.models import FileField

from django.forms import forms

from django.template.defaultfilters import filesizeformat

from django.utils.translation import ugettext\_lazy as \_

class ContentTypeRestrictedFileField(FileField):

"""

Same as FileField, but you can specify:

\* content\_types - list containing allowed content\_types. Example: ['application/pdf', 'image/jpeg']

\* max\_upload\_size - a number indicating the maximum file size allowed for upload.

2.5MB - 2621440

5MB - 5242880

10MB - 10485760

20MB - 20971520

50MB - 5242880

100MB - 104857600

250MB - 214958080

500MB - 429916160

"""

def \_\_init\_\_(self, \*args, \*\*kwargs):

self.content\_types = kwargs.pop("content\_types", [])

self.max\_upload\_size = kwargs.pop("max\_upload\_size", 0)

super(ContentTypeRestrictedFileField, self).\_\_init\_\_(\*args, \*\*kwargs)

def clean(self, \*args, \*\*kwargs):

data = super(ContentTypeRestrictedFileField, self).clean(\*args, \*\*kwargs)

file = data.file

try:

content\_type = file.content\_type

if content\_type in self.content\_types:

if file.\_size > self.max\_upload\_size:

raise forms.ValidationError(\_('Please keep filesize under %s. Current filesize %s') % (filesizeformat(self.max\_upload\_size), filesizeformat(file.\_size)))

else:

raise forms.ValidationError(\_('Filetype not supported.'))

except AttributeError:

pass

return data

**Second. In your models.py, add this:**

from formatChecker import ContentTypeRestrictedFileField

Then instead of using 'FileField', use this 'ContentTypeRestrictedFileField'.

Example:

class Stuff(models.Model):

title = models.CharField(max\_length=245)

handout = ContentTypeRestrictedFileField(upload\_to='uploads/', content\_types=['video/x-msvideo', 'application/pdf', 'video/mp4', 'audio/mpeg', ],max\_upload\_size=5242880,blank=True, null=True)

You can change the value of 'max\_upload\_size' to the limit of file size that you want. You can also change the values inside the list of 'content\_types' to the file types that you want to accept.

**Solution 2**

**another solution is using validators**

from django.core.exceptions import ValidationError

def file\_size(value): # add this to some file where you can import it from

limit = 200 \* 1024 \* 1024

if value.size > limit:

raise ValidationError('File too large. Size should not exceed 200 MiB.')

**then in your form with the File field you have something like this**

image = forms.FileField(required=False, validators=[file\_size])

**Solution 3**

# Add to your settings file

CONTENT\_TYPES = ['image', 'video']

# 2.5MB - 2621440

# 5MB - 5242880

# 10MB - 10485760

# 20MB - 20971520

# 50MB - 5242880

# 100MB - 104857600

# 250MB - 214958080

# 500MB - 429916160

MAX\_UPLOAD\_SIZE = "5242880"

#Add to a form containing a FileField and change the field names accordingly.

from django.template.defaultfilters import filesizeformat

from django.utils.translation import ugettext\_lazy as \_

from django.conf import settings

def clean\_content(self):

if content != None:

content = self.cleaned\_data['content']

content\_type = content.content\_type.split('/')[0]

if content\_type in settings.CONTENT\_TYPES:

if content.\_size > int(settings.MAX\_UPLOAD\_SIZE):

raise forms.ValidationError(\_(u'Please keep filesize under %s. Current filesize %s') % (filesizeformat(settings.MAX\_UPLOAD\_SIZE), filesizeformat(content.\_size)))

else:

raise forms.ValidationError(\_(u'File type is not supported'))

return content